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Introduction

Combat Identification Issues and Challenges

Col. Carl Jensen,
Deputy Assistant Secretary of the Navy
(Expeditionary Forces Programs)



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NDIA Expeditionary Warfare Conference

Agenda

- ☐ Introduction
- ☐ Historical Perspective
- ☐ Commander's Perspective
- ☐ Combat ID Challenges
- ☐ DON & Industry Synergy
- ☐ Closing Remarks



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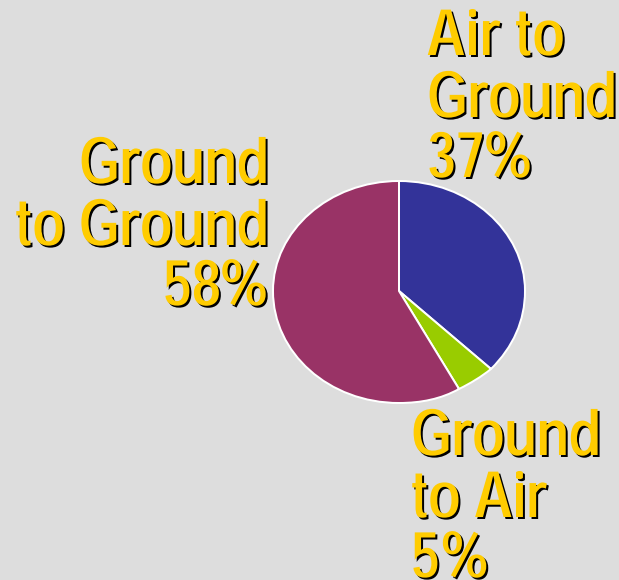
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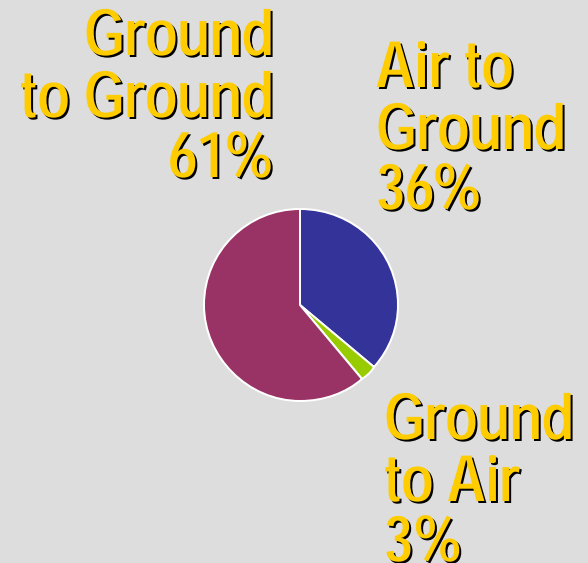
Closing Remarks



WWII, Korea & Vietnam

Source: Center For Army Lessons Learned (CALL)
OASD Public Affairs Office, News Release, 13 Aug 1991
"Friendly Fire, Myth and Misconception" MAJ Charles F. Hawkins,

Operation Desert Storm



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One Man's Solution...

- When you want to accomplish something, there are different stages that you go through:
 - The first is to imagine yourself doing whatever it is
 - The second is to light up a big cigar, because mister, she's as good as done.

Deep Thoughts by Jack Handy



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Fratricide Summary

Bottom Line:

THE PROBLEM STILL EXISTS!

Fratricide Rates of Major US Conflicts

NEW GEORGIA	BURMA	14%	PANAMA	12%
BOUGANVILLE		12%	DESERT STORM	24%
WORLD WAR II		15%	<u>NTC ROTATIONS</u>	<u>15%</u>
GRENADA		13%		



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THE JTF CDR's PERSPECTIVE

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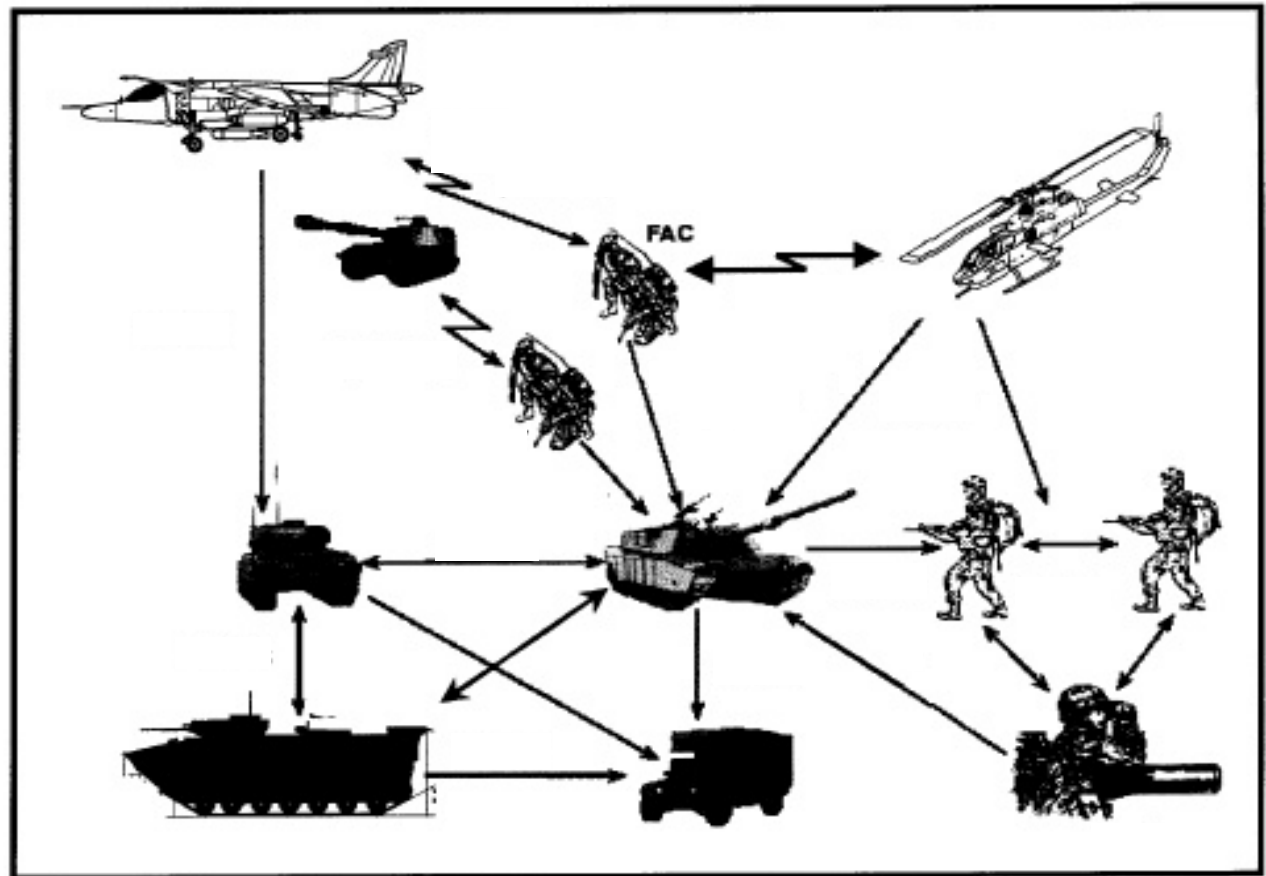
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Concept of Employment

CID systems *have to be employed* down to the individual Marine, thus, integrating virtually all weapon systems in the battlespace.



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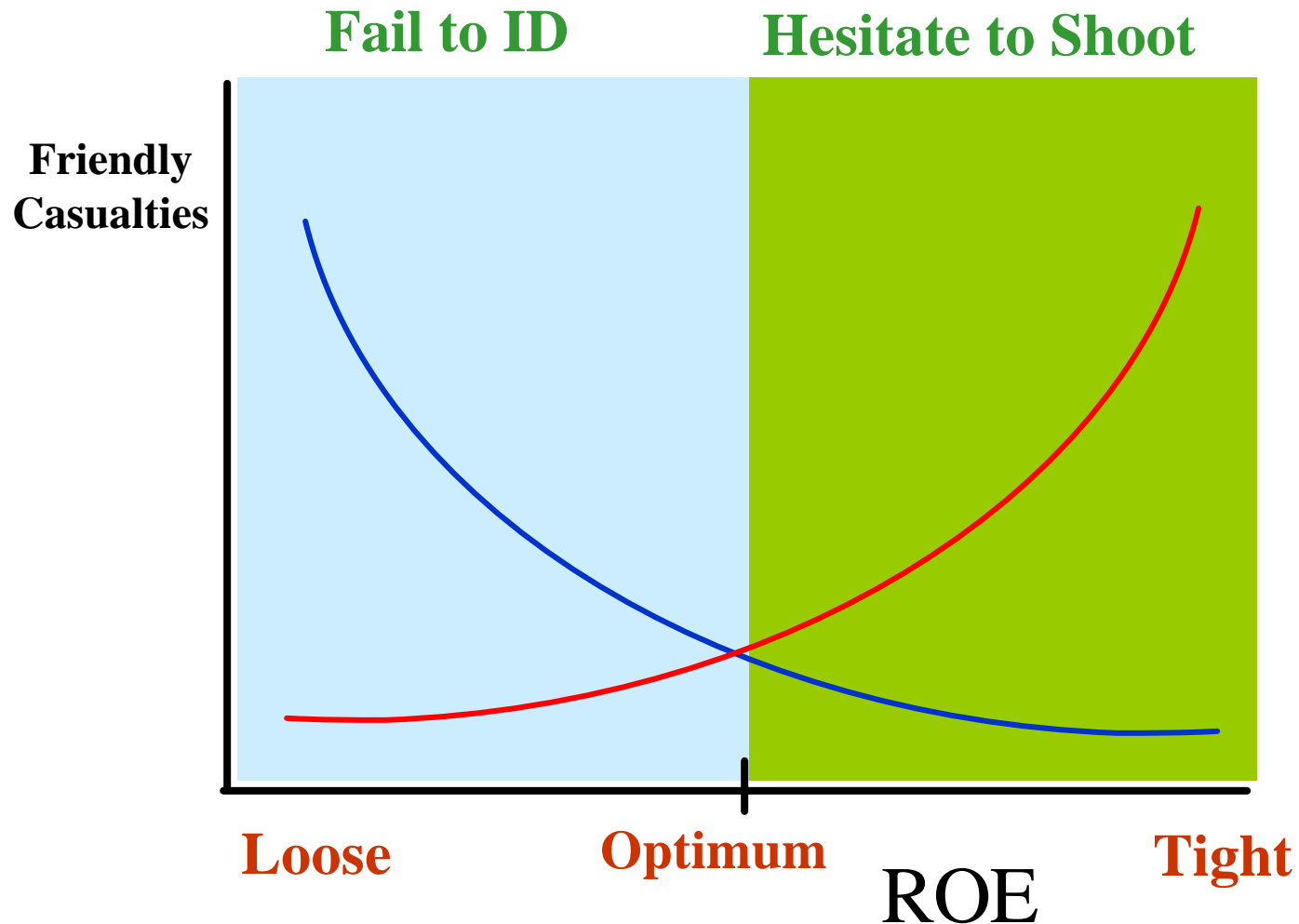
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THE CID DILEMMA . . .



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Combat ID

- Definition
 - The process of attaining an accurate characterization of detected objects in the joint battle space to the extent that high confidence, timely application of military options and weapon resources can occur.
- Rapid and Positive ID
 - Friend/Enemy/Neutral
 - Class (bomber or fighter?)
 - Platform Type (F-16 or F-?)
 - Nationality (French or Iraqi?)
 - Mission (attack or reconnaissance?)

CID CRD 19 March 2001



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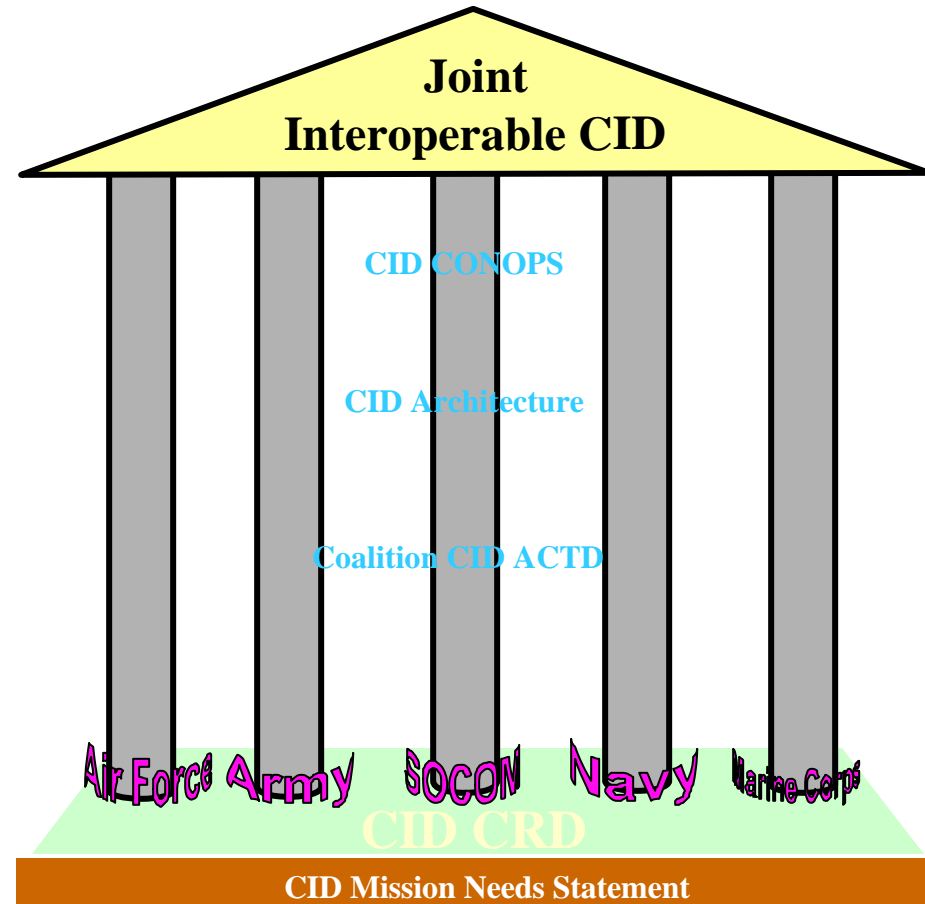


The Shining Path...

COMBAT IDENTIFICATION ACTION PLAN



JANUARY 2002



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Solution Statement

The Problem

- In the context of maritime warfighting, the Commander needs a Single Integrated Picture (SIP) for command and control, battlespace situational awareness, and for the coordination, control, integration, and deconfliction of all force movements and fires, within realistic, combat-driven timelines
- *The solution must be scalable and effective across the range of Joint, Allied & Coalition levels of Warfighting*



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Results To-Date

SA Provider	TI Provider	User Platform		
DACT TLDHS IBS UAVTCS MAST MEWSS TRSS UAV TCS	LAVD/NS TWS	AAAV ABV SURC LAV FITV MV-22	TUGV VTUAV COC CAC2S CLAWS	UHY AHZ JSF
DASC TERPES JSTARS LEWDD TCACPIP TSPIRIS AFATDS EPLRS IAS TCO RREP GBAD 3DLRR	AVDTV INDFCO MNVD MVINO SNS	LVTR MTVR TACC	CQBW IMMG	IRRC



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□ *What does all this mean to
Industry?*

Business Opportunities!!!



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Closing Remarks

- It's an OLD Problem
- There is a compelling need
- Identified in 1999 as a fertile opportunity for business

...So what have you done for me lately ?

